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Day 8 Practice Problems

Write a program in the following steps

- a. Roll a die and find the number between 1 to 6
- b. Repeat the Die roll and find the result each time
- c. Store the result in a dictionary
- d. Repeat till any one of the number has reached 10 times
- e. Find the number that reached maximum times and the one that was for minimum times

```
#!/bin/bash
```

```
declare -A dice
```

```
onev=0
```

```
twov=0
```

```
threev=0
```

```
fourv=0
```

```
fivev=0
```

```
sixv=0
```

```
dice[one]=onev
```

```
dice[two]=twov
```

```
dice[three]=threev
```

```
dice[four]=fourv
```

```
dice[five]=fivev
```

```
dice[six]=sixv
```

```
for((i=0;i<=100;i++))
```

```
do
```

```
    if(($onev,$twov,$threev,$fourv,$fivev,$sixv<=10))
```

```
    then
```

```

side=$((RANDOM%6+1));
case $side in
    1)
        onev=$((onev+1))
        dice[one]=$onev
        echo "${dice[one]}"
        ;;
    2)
        twov=$((twov+1))
        dice[two]=$twov
        echo "${dice[two]}"
        ;;
    3)
        threev=$((threev+1))
        dice[three]=$threev
        echo "${dice[three]}"
        ;;
    4)
        fourv=$((fourv+1))
        dice[four]=$fourv
        echo "${dice[four]}"
        ;;
    5)
        fivev=$((fivev+1))
        dice[five]=$fivev
        echo "${dice[five]}"
        ;;
    6)
        sixv=$((sixv+1))
        dice[six]=$sixv
        echo "${dice[six]}"
        ;;
    *)
        Default condition
        ;;
esac
else
    break
fi
done

```

